

Peroxidase Isoenzymes in Sprouting Bean Seeds,
by E. V. Rudilova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 3, May 1971, pp 699-702.
CB

Jan 72

Dependence of the Phospholipid Composition of
Mitochondria and Microsomes of Hepatoma Cells
on the Degree of Malignancy of the Tumors, by
E. V. Dyatlovitskaya.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 3, May 1971, pp 703-705.

CB

Jan 72

Photopotential Developed During Reversible Photo-
chemical Reaction of Chlorophyll with Oxidants,
by V. B. Evstigneev.
RUSSIAN, par, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 3, May 1971, pp 706-709.
CB

Jan 72

Cumulation and Reversibility of the Toxic and
Antitumor Effects of a High-Molecular Sarcosin-
Containing Preparation, by O. V. Zubova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 3, May 1971, pp 710-711.
CB

Jan 72

Morphologic Properties of the Afferent
Innervation of Autonomic Ganglia, by V. V. Vshivtseva,
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, May 1971, pp 712-715.
CB

Jan 72

Morphology of the Connection of the Ventro-Basal
Complex of the Thalamus With the First and Second
Somatosensory Areas of the Cortex, by

V. Yu. Ermolaeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 3, May 1971, pp 716-719.

CB

Jan 72

Interaction of Efferent and Afferent Excitations
in the Intercalary Neurons of the Motor Cortex,
by L. I. Ivanova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 3, May 1971, pp 720-723.
CB

Jan 72

Electrical Activity of the Cortex and Deep Brain
Structures in Waking Baboons, by A. F. Syssoeva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 3, May 1971, pp 724-726.
CB

Jan 72

Effect of Growth Hormone on the Behavior and
Certain Morphological and Biochemical Indicators
in the Progeny of Rats of the Wistar Strain, by
V. K. Fedorov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 3, May 1971, pp 727-729.
CB

Jan 72

Thermokinetics of the Action of ATP on Intact
Muscle Fibers of Rats Adapted to Various
Temperatures, by V. V. Khaskin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 3, May 1971, pp 730-733.
CB

Jan 72

Detection of Serotonin in Rat Blastocysts by
the Microspectrofluorimetry Method, by
B. V. Leonov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 3, May 1971, pp 734-736.
CB

Jan 72

Certain Problems in Adaptive Control, by
G. D. Penev. *SAP*.

Gen. Inst. of Phys.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 787-790.
Vol 16, No 6, Dec 1971

GRS 53972

GRS - 53994 - 6pp.

Jan 72

Decay of Gasdynamic-Parameter Discontinuities in
a Viscous, Thermally-Conducting Gas, by
A. D. Khon'kin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys. Vol 198,
No 4, June 1971, pp 791-793.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Stress Concentration Around a Circular Hole
in a Plate of Variable Thickness, by T. V. Meunargiya.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 794-797.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Ratios of the Universal Physical Constants
and the Expansion of the Universe, by

P. N. Kropotkin.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 798-800.

Vol 16, No 6, Dec 1971.

Ann. Inst. of Phys.

Jan 72

Existence of a Unique Solution of the Fundamental
Boundary-Value Problem in the Linear Theory of
Oceanic Circulation, by M. A. Bubnov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 801-804.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Use of Electron Paramagnetic Resonance in Cu(II)
for the Study of the Structure of Oxide Glasses
of the System P_2O_5 -- Al_2O_3 -- Cs_2O , by

L. D. Bogomolova.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 4, June 1971, pp 805-808.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Mechanism of the Scattering of Ions by Crystals,
by E. S. Mashkova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 809-812.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Gravity Anomalies in the Sea of Japan, by
P. A. Stroyev, 7 pp.
RUSSIAN, per. Doklady Akademii Nauk SSSR, Moscow,
Vol 198, No 4, 1971, pp 818-821.
JPRS 53962

Sept 71

Measurement of Concentration Distribution
After Diffusion by an Immersion Method Without
the Use of Layer Analysis, by V. Ya. Zlenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 826-827.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Temperature Relationship of the Proton
Relaxation Rate in Some 1 - 1 Electrolyte
Solutions, by A. N. Voronovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 865-867.
CB

Mar 72

Investigation of Some Complexes of Cr(v)
With Oxygenated Environments by the EPR Method,
by S. Garif'yanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 868-871.
CB

Mar 72

Kinetics of Some Reactions for Polymerization
and Polymer Destruction Studied by the Precipitation
Temperature Method, by V. M. Gol'dberg.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 872-875.

CB

Mar 72

Adsorption From Four-Component Solutions, by
N. N. Gryazeva.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 876-879.
CB

Mar 72

Determination of the Rate Constants for the
Cationic Polymerization of Styrene by Pulse
Electrodialysis, by F. S. D'yachkovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 880-882.

CB

Mar 72

Radiation Ionic Graft Copolymerization, by
V. Ya. Kabanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 883-284.
CE

Mar 72

Structure of the π -Electron Spectra of
Infinite Phenylpolyene Molecules, by

I. D. Mikhailov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 885-888.

CB

Mar 72

Isotopic Exchange of Hydrogen in Ethyl and Benzyl
Derivatives of $C_5H_5Mn(CO)_3$ and $C_5H_5Mn(CO)_2PPh_3$,

by M. N. Nefedova.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 889-891.

CB

Mar 72

Structure and Magnetic Properties of Mixtures
of Ferrites and Magnesium Gallates, by
B. I. Pokrovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 892-893.
CB

Mar 72

Mechanism of Cationic Polymerization of Conidine, by
E. F. Razvodovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 894-897.
CB

Mar 72

Photochemical Properties of Silver Chloride,
Bromide, and Iodide, by K. V. Chibisov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 898-900.
CB

Mar 72

Propagation of Excitation Along a Homogeneous Fiber
in the Lillie-Bonhoeffer Model, by V. G. Levich.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 198,
No 4, June 1971, pp 947-950.
CB

Jan 72

Some Structural Features of Water in Plant Tissues
According to Infrared Spectroscopic Data, by
N. V. Sedykh.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 198,
No 4, 1971, pp 951-953.
CB

Jan 72

Relative Biological Effectiveness of 20-MeV Electrons
Assessed From Radionecrosis of Rabbit Brain Tissues,
by R. V. Smirnov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 198,
No 4, June 1971, pp 954-955.
CB

Jan 72

Substances From Green Leaves as Possible Regulations
of the Light Reactions of Chloroplasts, by
E. A. Akulova.
RUSSIAN, per, Dokl Ak Nauk SSSR, Bot Sci., Vol 198,
No 4, June 1971, pp 956-958.
CB

Jan 72

Influence of Day Length on the Level of Activity
of an Abscisin-Like Inhibitor in Rudbeckia Plants,
by V. G. Kochankov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol. 198,
No 4, June 1971, pp 959-962.
CB

Jan 72

The Effect of pH on the Membrane Potential of the
Root Hair, by O. O. Lyalin.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 198,
No 4, June 1971, pp 963-965.
CB

Jan 72

Effect of ATP, Inhibitors, and Uncouplers of
Photophosphorylation on the Transformation of
Xanthophylls in Leaves, by V. S. Saakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 198,
No 4, June 1971, pp 966-969.
CB

Jan 72

Isolation and Identification of Physiologically
Active Indole-Type Substances From the Extra-
cellular Metabolites of Chlorella, by M. I. Tauts.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 198,
No 4, June 1971, pp 970-973.
CB

Jan 72

Total Content of Protein and Amount of Basic
Proteins in the Neurons and Neuroglia of the
Supraoptical and Red Nuclei of the Rat Brain
During Natural Sleep and Deprivation of the
Paradoxical Phase of Sleep, by G. S. Voronka.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 4, June 1971, pp 974-977.
CB

Jan 72

Degree of Indifference of Conditioned Stimuli:
Photic Self-Stimulation, by M. S. Kyslobodskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 4, June 1971, pp 978-980.
CB

Jan 72

Behavior of a Mechanoreceptor Neuron in an
Artificial Feedback Circuit, by B. G. Rezhabel,
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 4, June 1971, pp 981-984.
CB

Jan 72

Effect of Lipoidophilic Radicals in the Molecules
of Curare-Like Agents on the Mechanism of Their
Action, by D. A. Kharkevich.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 4, June 1971, pp 985-988.

CB

Jan 72

Heterochrony in the Oogenesis of the Baikal
Cisco (*Coregonus autumnalis migratorius*), by
N. S. Smirnova-Zalumi.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 4, June 1971, pp 989-992.
CB

Jan 72

Two-Person Games with a Fixed Sequence of Turns,
by Yu. B. Gernogor, 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Moscow,
Vol 198, No 5, 1971, pp 1001-1004.
JPRS 53994

Sept 71

Problems of Linear Dynamic Programming, by
Yu. P. Ivanilov, A. I. Propoy, 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, MOSCOW,
Vol 198, No 5, 1971, pp 1011-1014.
JPRS 53994

Sept 71

Isoperimetric Variational Problems in Field
Theory, by A. G. Iosif'yan.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 193,
No 5, June 1971, pp 1036-1039.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Possible Properties of Weak Interactions at High
Energies, by S. A. Azimov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1040-1042.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Photochemical Effect of Infrared Radiation, by

N. G. Basov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1043-1045.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

NTC 72-12196-07E

Jan 72

Influence of Carbon on Structure Formation in
Molybdenum Castings, by N. V. Ageev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1046-1049.
Vol 16, No 6, Dec 1971

Ann. Soviet. of Phys.

Jan 72

Saturation of the Volt-Ampere Characteristics of
Cadmium Selenide Films on Barium Strontium
Titanate Substrates for Supersonic Drift Velocity
of the Carriers, by A. R. Bryuzgin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 5, June 1971, pp 1050-1051.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Effect of Hydrostatic Extrusion on the Structure
and Properties of Cast Zinc, by A. A. Galkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 5, June 1971, pp 1052-1054.
Vol 16, No 6, Dec 1971

Quart. J. of Phys.

Jan. 72

Observation of Dielectrophoresis Under the
Conditions of Weightlessness, by I. M. Kirko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1055-1057.
Vol 16, No 6, Dec 1971

Ann. Invent. of Phys.

Jan 72

Attenuation of a Light Beam by Turbulent
Fluctuations, by S. S. Kutateladze.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 5, June 1971, pp 1058-1059.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Contact Melting in the Bismuth--Lead System
by N. N. Milova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1060-1062.
Vol 16, No 6, Dec 1971

Amer. Inst. of Phys.

Jan 72

Concentration Depolarization of the Fluorescence
of Low-Viscosity Solutions, by A. N. Savchenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 5, June 1971, pp 1063-1065.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

The K α X-Ray Emission Band of Nitrogen in
Zirconium Nitride of Limiting Composition and
in the Region of Homogeneity (ZrN_x), by
I. N. Frantsevich.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 5, June 1971, pp 1066-1069.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Crystal Structure of Legrandite $\text{Zn}_2\text{AsO}_4\text{OH} \cdot \text{H}_2\text{O}$,

by D. Yu. Pushcharovskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1072-1075.

Vol 16, No 6, Dec 1971

Am. Inst. of Phys.

Jan 72

Kinetics of Polymer Flow on Solid Surfaces, by
V. V. Arslanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1113-1116.
CB

Mar 72

Interaction of Excited Atoms of the Alkali
Metals With Atoms of the Noble Gases, by
A. A. Belyaeva.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1117-1120.
CB

Mar 72

Possibility of Applying Difference Interpolation
to Calculation of the Physicochemical Properties
of Molecules, by Yu. K. Knobel'.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1121-1123.
CB

Mar 72

Structure of Polyethyleneglycol Complexes of
Diethylaluminum Chloride, by A. A. Popov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1124-1126.
CB

Mar 72

Role of the $R_1 + R_2$ H Chain - Transfer Reaction
in the Degenerate-Branched Chain Oxidation of
Hydrocarbons, by V. S. Rafikova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1131-1134.
CB

Mar 72

Integral Chemiluminescence of Flames, by
A. I. Rozlovskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1135-1138.

CB

Mar 72

Stability of Latent-Image Centers With a Change
in the Anion Sublattice, by A. A. Trubnikova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1139-1142.
CB

Mar 72

Dislocation Mechanism of Electrocrystallization
of Filamentary Crystals of Silver, by

D. V. Fedoseev.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1143-1145.

CB

Mar 72

Influence of Pressure on the Parameters of
the EPR Spectra of Copper Diethyldithiocarbamate
in Liquid Solutions, by A. I. Filippov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1146-1148.
CB

Mar 72

Effect of Molecular Diffusion on the Mass-Transfer
Rate in Liquids With Different Surface Tensions and
Viscosities Interacting With Gases, by

I. A. Gil'denblat.

RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech, Vol 198,
No 5, June 1971, pp 1149-1151.

CB

Jan 72

Chromatin Displacement During Spermatogenesis
in the Crayfish and Possible Evolutionary
Significance of this Phenomenon, by

A. N. Studitskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1203-1206.

CB

Jan 72

Disturbance in DNA Matrix and Radiation Disease
of Plants, by O. P. Golikova,
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1207-1210.
CB

Jan 72

Metabolism of Benz(A)Pyrene by Various Soil
Microflora and Isolated Microorganisms, by
M. N. Poglazova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1211-1213.
CB

Jan 72

Blocking of Impulse by an Inhomogeneity in an
Electrochemical Nerve Model, by V. G. Levich.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 198,
No 5, June 1971, pp 1214-1216.
CB

Jan 72

Polyphenolic Compounds of the Leaves of Tobacco
Plants of Different Photoperiodicity, by
N. Ya. Grigor'eva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 5, June 1971, pp 1217-1220.
CB

Jan 72

Effect of Some Complex Illumination Sequences
on the Rate of Sexual Maturation in Arabidopsis,
by L. P. Velikanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 198,
No 5, June 1971, pp 1221-1224.
CB

Jan 72

Adaptive Changes of the Retina in the Ontogenesis
of *Gobius melanostomus* (Pall.), by

K. I. Moskal'kova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci., Vol 198,
No 5, June 1971, pp 1225-1227.

CB

Jan 72

Study of the Structure and Function of the
Thyroid in Females of the Lapland Whitefish
(*Coregonus lavaretus* L.) During Annual and
Biannual Spawning, by A. V. Zaitsev.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci, Vol 198,
No 5, June 1971, pp 1228-1231.
CB

Jan 72

Morphological Evolution of the Gonads in
Hymenolepididae and Dilepididae, by A. A. Spasskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1232-1234.
CB

Jan 72

Measurement of Reaction Time to the Appearance
and Disappearance of Brief Sensory (Auditory)
Stimuli for the Purpose of Measuring the
Duration of Sensation, by S. N. Gol'dburt.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1235-1238.
CE

Jan 72

Regulation of the Activity of Neurosecretory Cells
of the Subesophageal Ganglion of *Orgyia antiqua*

L., by T. V. Kind.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1239-1241.

CB

Jan 72

Dynamics of the Formation of the Fractional
Composition of Hemoglobin in the Early
Ootogenesis of the Russian Sturgeon (*Acipenser
gueldenstadti* BRANDT), by V. I. Luk'yanenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1242-1244.
CB

Jan 72

Influence of Enteral Introduction of Supplementary
Factors of Nutrition (Methionine, Glutamic Acid,
Vitamins of the B-Complex, and Yeasts) on the Brain
Circulation During Chronic Mental Fatigue in
Children, by Yu. M. Pratusovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1245-1248.
CB

Jan 72

Thermal Theory of the Flow of a Viscous Liquid,
by A. G. Merzhanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1291-1294.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Torsion of Hollow Piecewise-Homogeneous Beams
by G. A. Kutateladze.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 198,
No 6, June 1971, pp 1295-1298.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Calculation of the Strength of Brittle Materials
With Allowance for Static Friction, by

A. I. Markov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1299-1302.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Experimental Determination of Population Inversion
in a $\text{CaWO}_4:\text{Nd}^{3+}$, by N. K. Bel'skii.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1303-1305.

Vol 16, No 6, Dec 1971

Am. J. Phys.

Jan 72

Measurement of the Noise Level of Langmuir
Oscillations in a Beam-Plasma System Based
on Stark Broadening of the Spectral Lines of
Hydrogen, by L. P. Zakatov,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1306-1309.
Vol 15, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Relaxation Effect in Ion-Electron Emission
During the Interaction of Ar Ions With the
Surface of Ge and InAs, by N. M. Omel'yanovskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1310-1313.
Vol 16, No 6, Dec 1971

Ann. Soviet. & Phys.

Jan 72

Temperature Dependence of the Yield Point of
Cubic Polycrystalline Aggregates After Subjection
to High Hydrostatic Pressures, by V. I. Zaitsev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 19⁸,
No 6, June 1971, pp 1314-1315.
Vol 16, No 6, Dec 1971

Ann. Soviet. Phys.

Jan 72

Phase Transitions Near the Stoichiometric
Composition $\text{Ni}_{1/3}\text{Mn}$, by D. F. Litvin.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1316-1319.

Vol 16, No 6, Dec 1971

Am. Inst. of Phys.

Jan 72

Relaxation Processes in a Michelson Laser
Interferometer With Phase Modulated Q Factor, by
R. I. Soloukhin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1320-1322.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

On the Relationship between α , ω -Dicarboxylic Acid
Branching and Cyclic Ketone Yields, by A. L. Liberman.
RUSSIAN, per, Dokl Akad Nauk SSSR, 198, 1971,
pp 1344-1347.

*AEC/UCRL-Tr-1455

Feb 72

Investigation of Molecular Motion in Organic
Crystals by the Paramagnetic Probe Method, by
A. I. Bol'shakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 6, June 1971, pp 1356-1359.
CB

Mar 72

Mass Spectrometric Measurement of the
Rate Constants for the Reactions of
Hydrogen and Fluorine Atoms With Methyl
Iodide and Trifluoriodomethane, by
I. O. Leipunskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 198, No 6, June 1971, pp 1367-1370.
CB

Mar 72

H_2SO_4 - H_2O Equilibrium in Concentrated
Sulfuric Acid Solutions, by N. B. Librovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1371-1373.
CB

X Mar 72

Reactive Capacity of the Solvated Electron
in Irradiated Methyl Alcohol, by A. K. Pikaev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1374-1377.
CB

Mar 72

Critical Character of the Inhibiting Activity
of Copper BIS -(3-OXY-2-Iminomethylbenzo(b) -
Thiophenate) in Oxidation of Hydrocarbons, by
L. A. Smurova.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1378-1381.

CB

Mar 72

Effect of Grinding Calcite on the Equilibrium
and Heat of its Thermal Dissociation, by
G. S. Khodakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1382-1385.
CB

Mar 72

Investigation of the Contact Reaction Between
Solid Particles With Polymer Molecules Adsorbed
on the Surfaces, by E. D. Yakhnin.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1386-1388.
CB

Mar 72

Effect of Surface Tension on Mass-Transfer Intensity
in Turbulent Flows of Liquids Reacting With Gases on
a Free Surface, by I. A. Gil'denblat.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 198,
No 6, June 1971, pp 1389-1392.
CB

Jan 72

Corrosion Cracking of Low-Carbon Steels in Boiling Nitrate Solutions, by G. V. Karpenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 198,
No 6, June 1971, pp 1393-1396.
C3

Jan 72